

Turnaround Time Dashboard

Reporting period: 04/18/21 - 04/24/21

The turnaround time measured is defined as the time between collection of specimen and reporting of results. This includes time to collect the specimen, time to ship the specimen and time to process the specimen and report the result. Some delays incurred between specimen collection and lab receipt of specimen may not be attributable to the labs. The turnaround time data for individual test results are currently only available at the date level (vs. date & timestamp). As such, the turnaround time calculations are based on whole day. On occasion, turnaround time may be higher if there is a date change between collection of specimen and reporting of results.

Labs that delivered more than 1,000 results in the week are included in the dashboard.

The data source for the analysis is CalREDIE; detailed methodology is included at the end of the document.



Turnaround Time, days¹

Reporting period: 04/18/21 - 04/24/21²

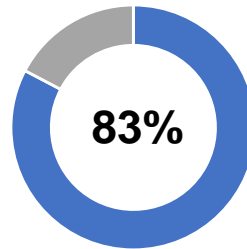
Average turnaround time for week 04/18/21 - 04/24/21

Average turnaround time
from specimen collection
to lab result (days)

0.9

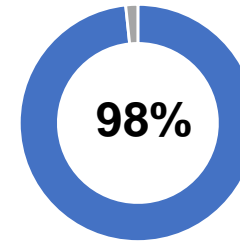
Days

Percentage of results
meeting turnaround time
of 1 day



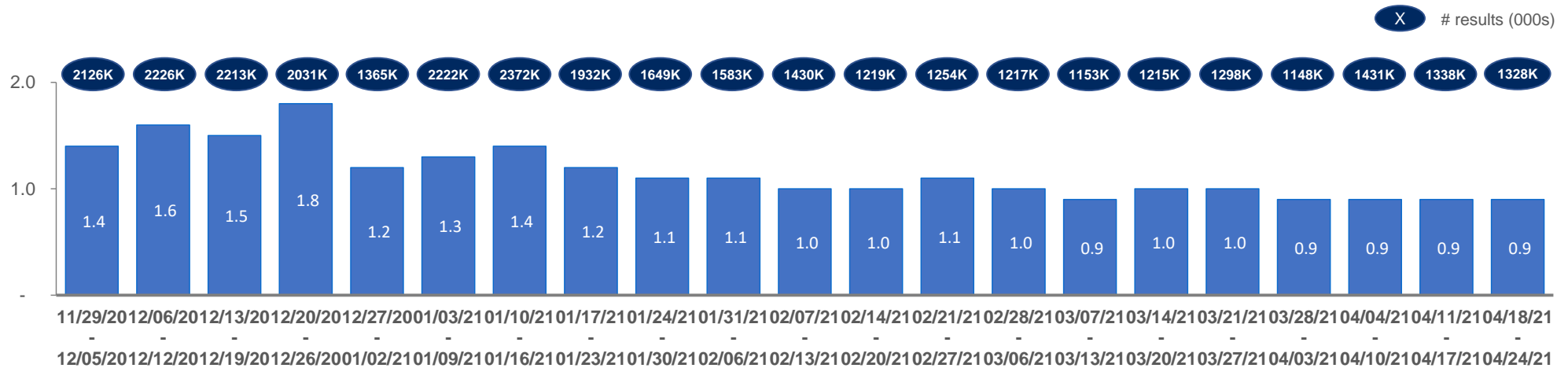
% change from week prior
-1%

Percentage of results
meeting turnaround time
of 2 days



% change from week prior
+0%

Average turnaround time by week, days¹



1. Average turnaround times were determined based on date timestamp data only - hour timestamp currently unavailable

2. Results assigned to week based on specimen result date; Results may be delayed entering CalREDIE production, therefore the metrics retroactively change

Time from specimen collection to lab result (days)		Week of 04/18/21 - 04/24/21 ²							
<div> <div>Period of time with majority of results</div> <div> <div> <div>▲ Increase in % results within 2 days from prior period</div> <div>▬ Defined as -1 to 1% change in results within 2 days from prior period</div> <div>▼ Decrease in % results within 2 days from prior period</div> </div> </div> </div>		Total test count	1 day, % of results	2 days, % of results	3 days - 4 days, % of results	5+ days, % of results	Total results within 2 days, % of results	Difference in % of results within 2 days from prior period ⁴	Specimen collection to result average TAT (days) ³
Total	Total	1287643	81%	15%	4%	0%	98%	0%	<1
Commercial	SummaBio	164,259	75%	22%	3%	0%	87%	-2%	1.1
	Fulgent Genetics	75,206	91%	7%	2%	0%	98%	0%	1.1
	Cuverture	74,688	73%	19%	8%	1%	92%	-2%	1.3
	Quest	73,371	56%	37%	7%	0%	93%	0%	1.5
	MiraDx	55,335	91%	7%	2%	0%	98%	0%	<1
	Labcorp	42,491	64%	32%	3%	0%	97%	1%	1.4
	Color Genomics	38,318	94%	6%	1%	0%	99%	0%	<1
	Avellino	32,055	51%	29%	15%	4%	88%	-4%	1.8
	Flow Health	27,304	100%	0%	0%	0%	100%	0%	<1
	BioReference Laboratories	22,916	49%	32%	18%	0%	81%	7%	1.5
	PMH Laboratory	20,886	38%	44%	15%	3%	82%	0%	1.9
	Helix OpCo	20,477	79%	20%	1%	0%	99%	0%	1.1
	STS Lab 2	15,762	62%	32%	6%	0%	94%	0%	<1
	Verity Labs	14,721	76%	18%	5%	1%	95%	0%	1.0
	COVID Clinic	13,684	92%	6%	2%	0%	98%	-2%	<1
	Genome and Biomedical Sciences Facility	11,969	100%	0%	0%	0%	100%	0%	<1
	Exceltox	8,795	100%	0%	0%	0%	100%	0%	<1
	WestPac Labs	8,666	81%	16%	3%	0%	97%	2%	1.2
	MD Labs	8,658	100%	0%	0%	0%	100%	0%	<1
	Biocrypt	8,550	57%	36%	6%	0%	94%	1%	1.5
	iGeneX	7,954	88%	9%	2%	0%	97%	0%	1.0
	Primex Clinical Laboratories	7,420	100%	0%	0%	0%	100%	0%	<1
	Inspire Health Alliance	7,225	100%	0%	0%	0%	100%	0%	<1
	UDL	6,470	99%	0%	0%	0%	100%	0%	<1
	Clarity Lab Solutions	5,749	100%	0%	0%	0%	100%	0%	<1
	HealthQuest Exotica	4,923	88%	9%	3%	0%	87%	1%	<1
	Amby Genetics	4,635	100%	0%	0%	0%	100%	0%	<1
	Brio Clinical	4,472	100%	0%	0%	0%	100%	0%	<1
	Genetox	4,117	68%	20%	10%	1%	88%	-6%	1.0
	Dexterity Laboratory	4,110	99%	1%	1%	0%	99%	0%	<1
	DiaCarta	4,033	74%	23%	3%	0%	97%	0%	1.3
	Cresview Clinical Laboratory	3,911	100%	0%	0%	0%	100%	0%	<1
	TruGraf	3,911	89%	11%	0%	0%	100%	0%	1.0
	AIT Labs	3,784	25%	38%	30%	7%	63%	1%	2.5
	MyMedLab	3,774	80%	11%	8%	1%	91%	21%	1.3
	Genesis Laboratory Management	3,318	66%	26%	7%	1%	92%	7%	1.4
	Pharmatech Laboratories & Diagnostics	3,267	100%	0%	0%	0%	100%	0%	<1
	Eurofins	3,167	92%	5%	2%	0%	98%	0%	<1
	Clinical Reference Laboratory	3,139	4%	42%	47%	7%	46%	1%	2.8
	Healthy Care Clinical Laboratories	2,922	100%	0%	0%	0%	100%	0%	<1
	Aegis Sciences	2,815	70%	23%	7%	1%	92%	0%	1.4
	Ashley Laboratory	2,876	100%	0%	0%	0%	100%	0%	<1
	Genesis Reference Laboratories	2,850	71%	20%	7%	2%	91%	1%	1.4
	Infinity Biologix	2,744	100%	0%	0%	0%	100%	0%	<1
	Tempus Labs	2,744	10%	84%	5%	0%	95%	-2%	2.0
	Priva Path (dba LGC Labs)	2,727	70%	21%	8%	1%	91%	-3%	1.4
	Foundation labs	2,550	90%	9%	0%	0%	100%	1%	1.1
	Omni Pathology	2,450	88%	12%	0%	0%	100%	0%	<1
	Solara	2,315	100%	0%	0%	0%	100%	0%	<1
	Nextgen Laboratories	2,237	100%	0%	0%	0%	100%	0%	<1
	Pacific Diagnostic Laboratories	2,205	96%	4%	0%	0%	100%	0%	<1
	CMB Labs	2,024	100%	0%	0%	0%	100%	0%	<1
	renegade.bio	1,858	100%	0%	0%	0%	100%	0%	<1
	Pacific Toxicology Labs	1,779	100%	0%	0%	0%	100%	0%	<1
	Simple Laboratories	1,671	97%	3%	0%	0%	100%	0%	<1
	Pangea Labs	1,644	96%	3%	1%	0%	99%	0%	<1
	Genetox	1,593	100%	0%	0%	0%	100%	0%	<1
	CVS	1,512	100%	0%	0%	0%	100%	0%	<1
	United States Drug Testing Laboratory	1,446	96%	3%	1%	0%	99%	0%	1.0
	Valley Clinical Laboratory	1,441	58%	16%	25%	1%	74%	-24%	1.7
	StemExpress	1,424	98%	1%	1%	0%	99%	-1%	<1
	Mako Medical	1,363	46%	43%	10%	1%	89%	16%	1.8
	Sun Clinical Laboratories	1,348	100%	0%	0%	0%	100%	0%	<1
	Path MD	1,277	99%	1%	0%	0%	100%	1%	<1
	Medical Diagnostic Laboratory	1,205	100%	0%	0%	0%	100%	0%	<1
	Guardant Health	1,161	100%	0%	0%	0%	100%	0%	<1
	Universal Diagnostic Laboratories	1,159	100%	0%	0%	0%	100%	0%	<1
	Bach Diagnostics	1,121	87%	7%	4%	2%	94%	12%	1.4
	Basis Diagnostics	1,092	100%	0%	0%	0%	100%	0%	<1
	Northwest Laboratory	1,010	46%	50%	3%	1%	96%	-4%	1.8
	Other Commercial (n=103)	16,918	84%	13%	3%	0%	97%	0%	<1
	Total Commercial	802,485	77%	18%	4%	1%	95%	0%	1.0
Medical Center Affiliated	Kaiser SoCal	43,757	94%	5%	1%	0%	98%	1%	<1
	Kaiser NorCal	42,168	65%	26%	8%	1%	81%	0%	1.5
	Dignity Health	14,236	98%	2%	0%	0%	100%	0%	<1
	Sutter Health	14,627	98%	2%	0%	0%	100%	0%	<1
	Calm Lab	13,522	100%	0%	0%	0%	100%	0%	<1
	Santa Clara Valley Medical Center	13,331	97%	3%	0%	0%	100%	0%	<1
	University of Southern California - Los Angeles	10,724	100%	0%	0%	0%	100%	0%	<1
	UC Irvine	10,692	72%	25%	2%	0%	98%	0%	1.1
	UC Davis	10,639	100%	0%	0%	0%	100%	0%	<1
	UCLA	9,989	66%	33%	1%	0%	99%	1%	<1
	Stanford Hospital and Clinics	9,601	97%	3%	1%	0%	99%	0%	<1
	Providence Health & Services	9,395	98%	0%	1%	1%	98%	-2%	<1
	HCA	8,461	100%	0%	0%	0%	100%	0%	<1
	Sharp HealthCare	5,686	98%	2%	0%	0%	100%	0%	<1
	Innovative Genomics Institute	4,558	100%	0%	0%	0%	100%	0%	<1
	Scripps	4,254	100%	0%	0%	0%	100%	0%	<1
	UCSF	3,265	99%	1%	0%	0%	100%	0%	<1
	PathMD	3,206	96%	2%	1%	1%	98%	-1%	<1
	Cedars-Sinai Medical Center	3,008	100%	0%	0%	0%	100%	0%	<1
	Adventist Health	2,977	94%	2%	4%	0%	96%	-1%	<1
	Community Medical Centers	2,935	99%	1%	0%	0%	100%	0%	<1
	Loma Linda University Health	2,468	99%	0%	1%	0%	99%	0%	<1
	UCSB Student Health	2,181	100%	0%	0%	0%	100%	0%	<1
	Zuckerberg San Francisco General Hospital	2,158	100%	0%	0%	0%	100%	0%	<1
	El Camino Health	1,942	100%	0%	0%	0%	100%	0%	<1
	Common Spirit Health	1,725	65%	27%	5%	3%	92%	-2%	1.5
	Ventura County Hospital	1,720	100%	0%	0%	0%	100%	0%	<1
	Veterans Affairs	1,319	92%	5%	3%	0%	97%	0%	<1
	MemorialCare	1,353	100%	0%	0%	0%	100%	0%	<1
	MLK Jr. Hospital	1,344	96%	0%	4%	0%	96%	0%	<1
	Kwaseh Delta	1,305	100%	0%	0%	0%	100%	0%	<1
	Children's Hospital Los Angeles	1,240	93%	7%	0%	0%	100%	0%	<1
	Huntington Hospital	1,182	99%	1%	0%	0%	100%	0%	<1
	Palomar Medical Center	1,136	100%	0%	0%	0%	100%	0%	<1
	Optum	1,129	100%	0%	0%	0%	100%	0%	<1
	Other Medical Center Affiliated (n=112)	28,577	97%	2%	1%	1%	99%	0%	<1
	Total Medical Center Affiliated	292,437	90%	8%	2%	0%	98%	0%	<1
PHL	Valencia Branch Lab (VBL)	82,250	75%	22%	3%	0%	97%	7%	1.3
	San Diego PHL	5,969	85%	15%	0%	0%	100%	0%	1.2
	Contra Costa PHL	2,371	60%	40%	1%	0%	99%	0%	1.4
	Sonoma PHL	2,190	37%	41%	22%	0%	78%	-8%	1.9
	Orange PHL	1,466	97%	3%	0%	0%	100%	0%	<1
	Other PHL (n=17)	5,627	74%	17%	7%	2%	91%	-2%	<1
	Total PHL	99,873	75%	22%	3%	0%	96%	5%	1.3
Uncategorized	Total Uncategorized	33,108	95%	4%	1%	0%	98%	0%	<1

1. Average turnaround times were determined based on date timestamp data only - hour timestamps currently unavailable.
2. Results assigned to week based on specimen receipt date. Results may be delayed entering CAPLIDE production. Results the metrics retroactively change.
3. Uncategorized entries are reporting facilities that could not be determined to be a commercial lab, a medical center affiliated lab, or a public health lab.
4. Numbers may not add up due to rounding.
Note: The metrics described may differ from other state reported data. The testing volume in this report includes only EHR messages received at CAPLIDE production.
Source: CAPLIDE EHR messages received at CAPLIDE production. Specimen collection dates and Result dates are reported by the laboratory via HL7 EHR message.

Methodology for calculating lab turnaround time (TAT) from specimen collection to lab result

Data

- Data source - CalREDIE Electronic Lab Reporting (ELR) messages received in CalREDIE production
- "Specimen collected date" and "Result date" are reported by the laboratory via HL7 ELR messages

Assumptions

- Specimens collected prior to 3/1/2020 excluded from analysis due to potential concerns with data accuracy
- Only labs processing at least 1K tests during the reporting period are included in the lab breakdown
- The turnaround time measured is defined the time between collection of specimen and reporting of results.
 - This includes time to collect the specimen, time to ship the specimen and time to process the specimen and report the result. Some delays incurred between specimen collection and lab receipt of specimen may not be attributable to the labs.
- The turnaround time data for individual test results are currently only available at the date level (vs. date & timestamp). As such, the turnaround time calculations are based on whole day. On occasion, turnaround time may be higher if there is a date change between collection of specimen and reporting of results.
- **Sample calculation**
 - Example data: Specimen collected date: 7/20, Result date: 7/27, DISA arrival date: 7/27
 - Specimen collection to CDPH receipt of lab result = Result date (7/27) - Specimen collected date (7/20) = 7 days
 - Lab result to CDPH receipt of lab: DISA arrival date (7/27) - Result date (7/27) = <1 day

Additional notes

- The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CalREDIE production
- Results are assigned to week based on specimen result date and there may be a delay in releasing results into CalREDIE production, as local health jurisdictions may still be processing the result in the reported period. As such, the metrics may retroactively change as results come in for prior reporting periods
- The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CalREDIE production